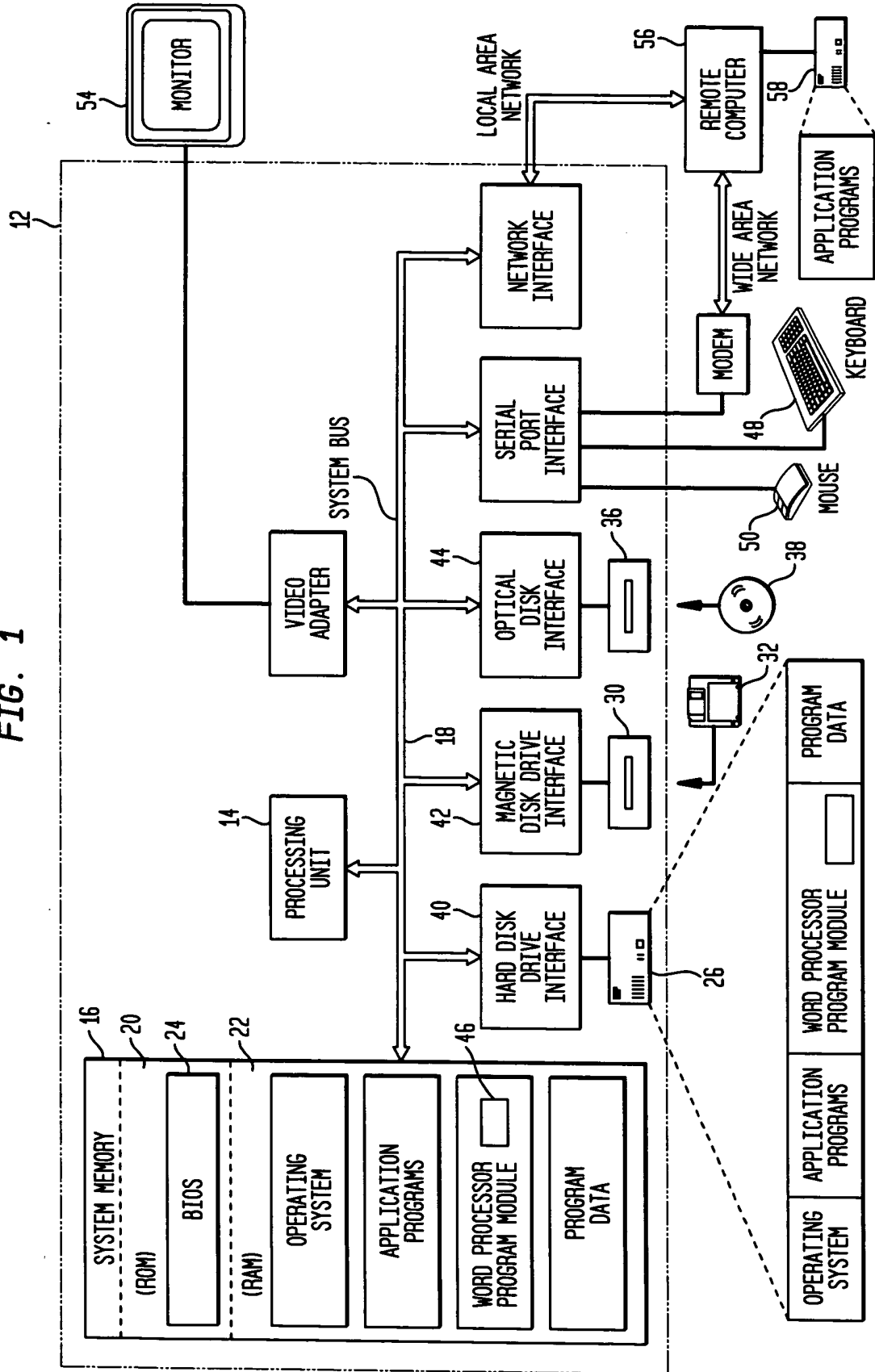


**FIG. 1**



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FIG. 2

H1COL1	H1COL2	H1COL3	H2COL1	H1COL4 H2COL2	H2COL3	H1COL5 H2COL4	>HLEVEL1 >HLEVEL2
x y	x y	x y	x y	x y	x y	x y	

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FIG. 3

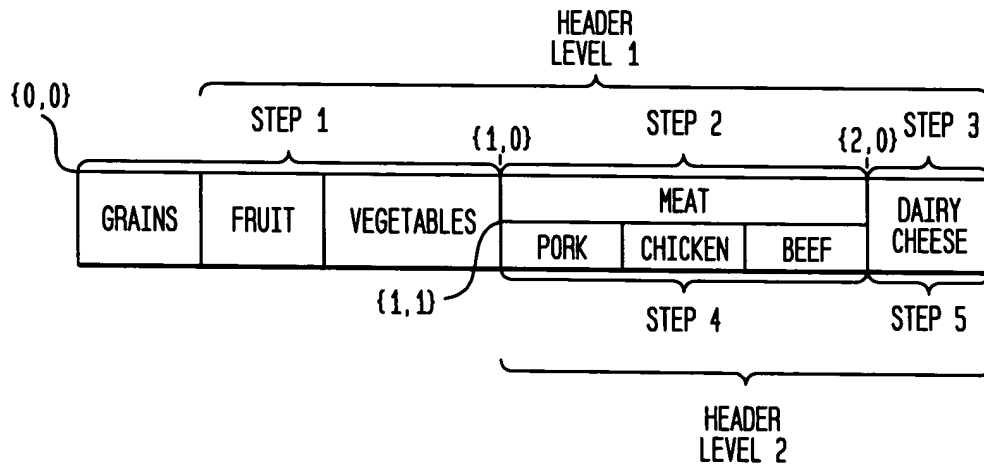


FIG. 4

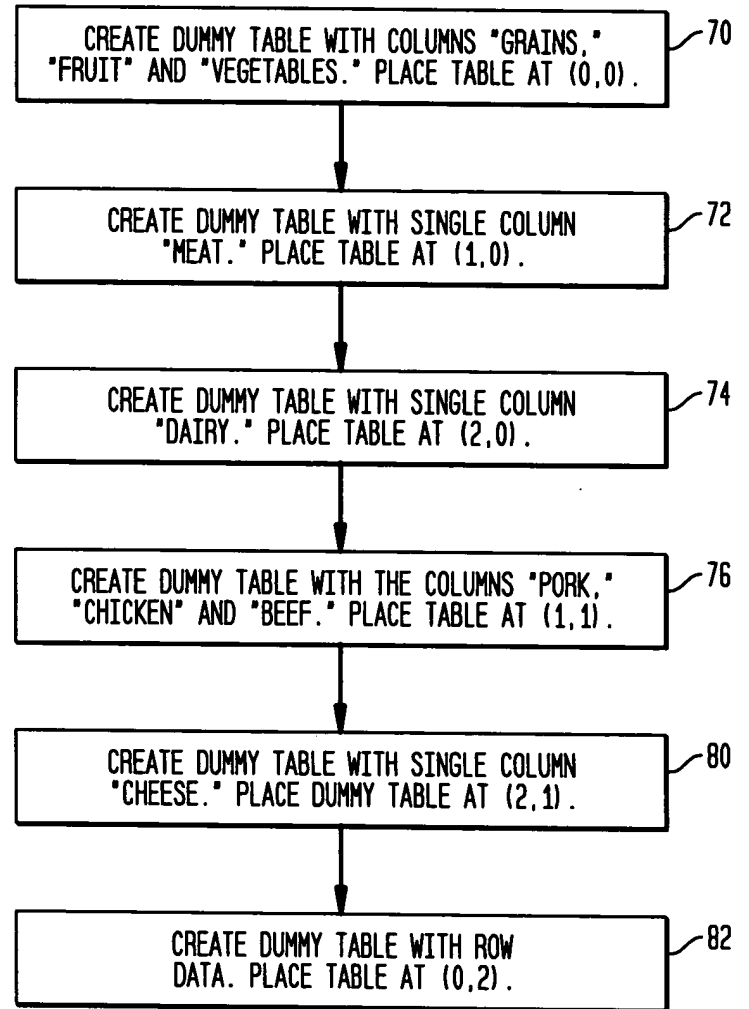


FIG. 5

718. 3

66

$\{0,0\}$

$\{2,0\}$

$\{1,0\}$

$\{1,1\}$

$\{2,0\}$

$\{2,1\}$

GRAINS	FRUIT	VEGETABLES	MEAT			DAIRY
			PORK	CHICKEN	BEEF	CHEESE
WHEAT	APRICOTS	BROCCOLI		WINGS		
	KIWI		LOIN			
7-GRAIN					T-BONE	
	STRAWBERRIES					PROVOLONE

DATA TABLE

FIG. 6

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BEFORE COLUMN RE-ORDERING 2nd HEADER  
LEVEL

B4	GRAINS	FRUIT	VEGETABLES	MEAT		DAIRY
				PORK	CHICKEN	BEEF
						CHEESE
	WHEAT	APRICOTS	BROCCOLI		WINGS	
		KIWI		LOIN		
	7-GRAIN					T-BONE
		STRAWBERRIES				PROVOLONE

DISPLAY INDEX = 0	DISPLAY INDEX = 1	DISPLAY INDEX = 2	DISPLAY INDEX = 3	DISPLAY INDEX = 4	DISPLAY INDEX = 5	DISPLAY INDEX = 6
DATA LOCATION INDEX = 0	DATA LOCATION INDEX = 1	DATA LOCATION INDEX = 2	DATA LOCATION INDEX = 3	DATA LOCATION INDEX = 4	DATA LOCATION INDEX = 5	DATA LOCATION INDEX = 6

**FIG. 7**

AFTER COLUMN RE-ORDERING 2nd HEADER LEVEL

GRAINS	FRUIT	VEGETABLES	MEAT			DAIRY
			CHICKEN	PORK	BEEF	CHEESE
WHEAT	APRICOTS	BROCCOLI	WINGS			
	KIWI			LOIN		
7-GRAIN					T-BONE	
	STRAWBERRIES					PROVOLONE

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DISPLAY INDEX = 0    DISPLAY INDEX = 1    DISPLAY INDEX = 2    DISPLAY INDEX = 3    DISPLAY INDEX = 4    DISPLAY INDEX = 5    DISPLAY INDEX = 6

DATA LOCATION INDEX = 0    DATA LOCATION INDEX = 1    DATA LOCATION INDEX = 2    DATA LOCATION INDEX = 4    DATA LOCATION INDEX = 3    DATA LOCATION INDEX = 5    DATA LOCATION INDEX = 6

**FIG. 8**

AFTER COLUMN RE-ORDERING 1st HEADER LEVEL

GRAINS	FRUIT	VEGETABLES	DAIRY	MEAT		
			CHEESE	CHICKEN	PORK	BEEF
WHEAT	APRICOTS	BROCCOLI		WINGS		
	KIWI				LOIN	
7-GRAIN						T-BONE
	STRAWBERRIES		PROVOLONE			

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DISPLAY INDEX = 0    DISPLAY INDEX = 1    DISPLAY INDEX = 2    DISPLAY INDEX = 3    DISPLAY INDEX = 4    DISPLAY INDEX = 5    DISPLAY INDEX = 6

DATA LOCATION INDEX = 0    DATA LOCATION INDEX = 1    DATA LOCATION INDEX = 2    DATA LOCATION INDEX = 6    DATA LOCATION INDEX = 4    DATA LOCATION INDEX = 3    DATA LOCATION INDEX = 5